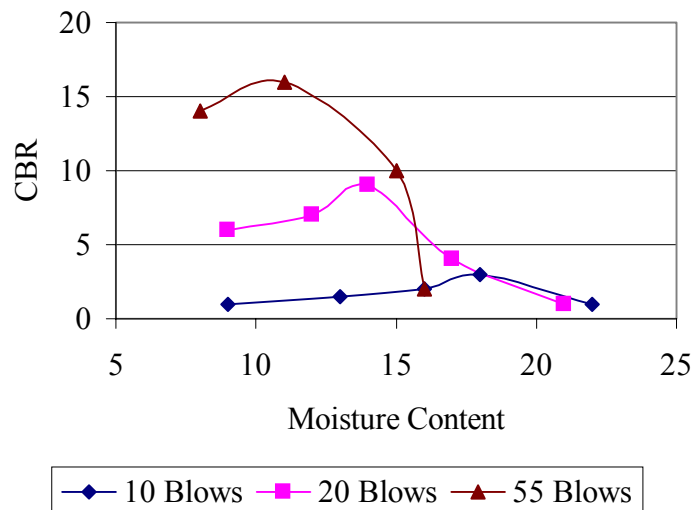
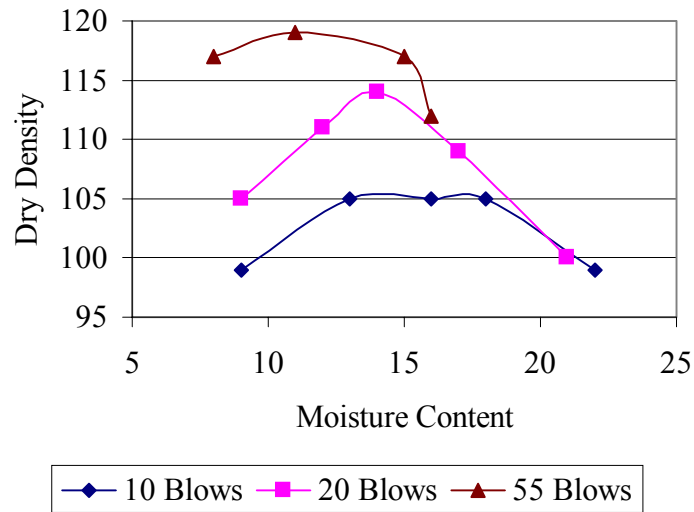


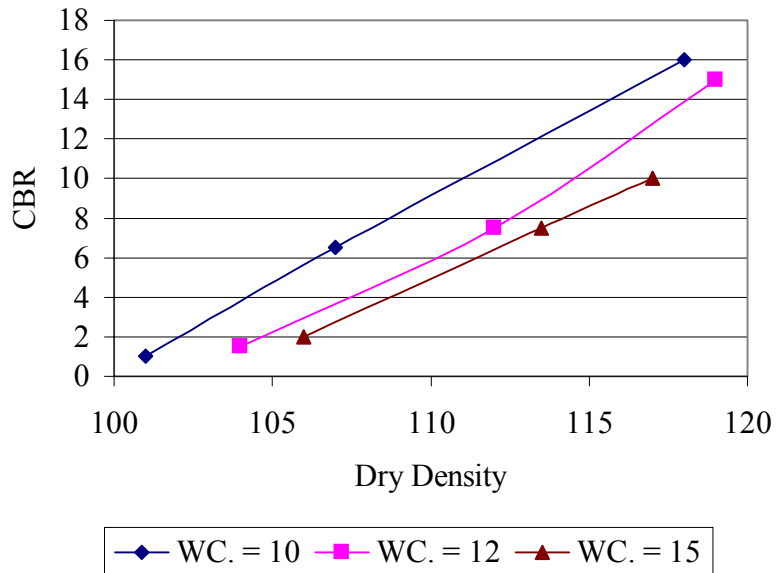
## Homework # 5b

### Question # 1



Now from the upper chart we can obtain the following data:

WC. = 10		WC. = 12		WC. = 15	
Density	CBR	Density	CBR	Density	CBR
118	16	119	15	117	10
107	6.5	112	7.5	113.5	7.5
101	1	104	1.5	106	2



### Question # 2

From the previous chart, the data of 25 blows are as follow:

Dry Density	Moisture Content
107	9
110	11
115	13
114	14
113	15

The Equation for zero air voids is:

$$\gamma_d = \frac{G_s \gamma_w}{1 + G_s W} \quad (W = \text{Moisture content})$$

By substitute in this equation we get:

Dry Density	Moisture Content
134	9
128	11
123	13
121	14
118	15

